

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:47:09 ; Search time 210.42 Seconds
(without alignments)
10.238 Million cell updates/sec

Title: US-09-331-631A-3_COPY_186_248

Perfect score: 353
Sequence: 1 KRDPQOREYEDCRRRCQQE.....LINPORGSGRVEGEKES 63

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 268485 seqs, 34193795 residues

Total number of hits satisfying chosen parameters: 268485

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

A_Geneseq_36:*

- 1: /SIDSI/gcgdata/geneseq/geneseqp/AA1980.DAT:*
- 2: /SIDSI/gcgdata/geneseq/geneseqp/AA1981.DAT:*
- 3: /SIDSI/gcgdata/geneseq/geneseqp/AA1982.DAT:*
- 4: /SIDSI/gcgdata/geneseq/geneseqp/AA1983.DAT:*
- 5: /SIDSI/gcgdata/geneseq/geneseqp/AA1984.DAT:*
- 6: /SIDSI/gcgdata/geneseq/geneseqp/AA1985.DAT:*
- 7: /SIDSI/gcgdata/geneseq/geneseqp/AA1986.DAT:*
- 8: /SIDSI/gcgdata/geneseq/geneseqp/AA1987.DAT:*
- 9: /SIDSI/gcgdata/geneseq/geneseqp/AA1988.DAT:*
- 10: /SIDSI/gcgdata/geneseq/geneseqp/AA1989.DAT:*
- 11: /SIDSI/gcgdata/geneseq/geneseqp/AA1990.DAT:*
- 12: /SIDSI/gcgdata/geneseq/geneseqp/AA1991.DAT:*
- 13: /SIDSI/gcgdata/geneseq/geneseqp/AA1992.DAT:*
- 14: /SIDSI/gcgdata/geneseq/geneseqp/AA1993.DAT:*
- 15: /SIDSI/gcgdata/geneseq/geneseqp/AA1994.DAT:*
- 16: /SIDSI/gcgdata/geneseq/geneseqp/AA1995.DAT:*
- 17: /SIDSI/gcgdata/geneseq/geneseqp/AA1996.DAT:*
- 18: /SIDSI/gcgdata/geneseq/geneseqp/AA1997.DAT:*
- 19: /SIDSI/gcgdata/geneseq/geneseqp/AA1998.DAT:*
- 20: /SIDSI/gcgdata/geneseq/geneseqp/AA1999.DAT:*
- 21: /SIDSI/gcgdata/geneseq/geneseqp/AA2000.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	353	100.0	666	19 W62829	Macadamia integrif
2	334	94.6	625	19 W62830	Macadamia integrif
3	332	94.1	666	19 W62828	Macadamia integrif
4	118.5	33.6	525	19 W62831	Macadamia cacao an
5	118.5	33.6	566	13 R20181	Sequence encoded b
6	118	33.4	590	19 W62832	Gossypium hirsutum
7	103	29.2	637	19 W62837	Hordeum vulgare an
8	74.5	21.1	593	19 W62835	Zea mays antimicro
9	73	20.7	919	10 P93109	human androgen rec
10	73	20.7	919	18 W4783	Androgen receptor
11	73	20.7	919	21 W78914	Human androgen rec
12	72.5	20.5	919	10 P90996	Human androgen rec

13	71.5	20.3	1898	20 Y30795	A human trichohyal
14	71	20.1	154	20 Y33504	Human unliganded a
15	71	20.1	669	19 W37483	Mouse liver cancer
16	71	20.1	918	12 R12223	Human androgen rec
17	71	20.1	918	20 Y33491	Human androgen rec
18	69.5	19.7	611	20 Y29039	T. gondii immunoge
19	69	19.5	28	19 W62841	Stenocarpus sinuat
20	67	19.0	71	20 Y09181	Peptide seq ID No:
21	67	19.0	371	20 W73369	Epitope tagged TBP
22	67	19.0	1162	21 Y58500	HHV8 ORF 73 protei
23	66	18.7	436	17 W03662	Human 70K U1 snRNP
24	66	18.7	436	20 Y22342	Human 70K U1 snRNP
25	66	18.7	614	16 R82630	70K autoantigen, p
26	65.5	18.6	35	13 R21079	Antimicrobial maiz
27	65.5	18.6	816	16 R71111	Spinocerebellar at
28	65.5	18.6	816	20 Y33494	Human SCAL protein
29	65.5	18.6	816	20 Y33494	Human metastasis-a
30	65	18.4	1135	21 W68784	Human acid sequenc
31	65	18.4	1239	20 Y55931	Human ZC1 protein
32	65	18.4	2074	21 Y54319	Amino acid sequenc
33	65	18.4	2476	20 W67738	Amino acid sequenc
34	64.5	18.3	910	20 W22191	Pig p105 zona pell
35	64	18.1	86	20 W55073	Mouse brain CNG-1
36	64	18.1	86	20 W55078	GST-HD fusion prot
37	64	18.1	1233	20 W55954	GST-HD fusion prot
38	64	18.1	1299	21 Y58633	Mouse STE20-relate
39	64	18.1	2023	21 Y54320	Protein regulating
40	63	17.8	112	20 Y04866	Amino acid sequenc
41	63	17.8	126	20 Y04861	Mycobacterium spec
42	63	17.8	262	20 Y29192	Mycobacterium spec
43	63	17.8	365	18 W34971	Amino acid sequenc
44	63	17.8	449	19 W47176	Chimeric Ewing's s
45	63	17.8	449	21 Y98804	Wilms' tumour poly
					Human WT1 protein

ALIGNMENTS

RESULT 1	
W62829	W62829 standard; Protein: 666 AA.
ID	
XX	
AC	W62829;
XX	
DT	27-OCT-1998 (first entry)
XX	
DE	Macadamia integrifolia antimicrobial protein.
XX	
KW	antimicrobial protein; infestation; control.
XX	
OS	Macadamia integrifolia.
XX	
EH	Key
FT	Peptide
FT	Location/Qualifiers
FT	1..28
FT	/note="signal peptide"
FT	29..666
FT	/note="mature protein"
XX	
FN	W09827805-A1.
XX	
PD	02-JUL-1998.
XX	
PF	22-DEC-1997; 97WO-AU00874.
XX	
PR	20-DEC-1996; 96AU-0004275.
XX	
PA	(RETR-) COOP RES CENT "TROPICAL PLANT PATHOLOGY.
XX	
PI	Bower NI, Gollter KC, Green JL, Manners JM, Marcus JP;
XX	WPI, 1998-377279/32.
DR	N-PSDB; V42311.
XX	

PT Novel anti-microbial protein from e.g. Macadamia integrifolia -
PT useful for controlling microbial infestations of plants or mammals
XX
XX
PS Claim 1: Page 39-41; 96pp; English.
XX
XX
CC The sequence is that of an antimicrobial protein which can
CC be used to control microbial infestations in plants and mammalian
CC animals.
XX
SQ Sequence 666 AA;

Query Match 100.0%; Score 353; DB 19; Length 666;
Best Local Similarity 100.0%; Pred. No. 1.8e-32;
Matches 63; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRDPQOREYEDCRRRCEDQEPKQYQOCRCRCEQORHGSGDLINPORGSGRYEEGPE 60
DB 186 krdpqreyedcrrrcceqepkqyqocrrcreqrqhgsgdlinpqrgsryeegee 245

QY 61 KOS 63
DB 246 kgs 248

RESULT 2

W62830 W62830 standard; Protein; 625 AA.

AC W62830;

DT 27-OCT-1998 (first entry)

DE Macadamia integrifolia antimicrobial protein.

XX antimicrobial protein; infestation; control.

OS Macadamia integrifolia.

XX Key Location/Qualifiers

FT Peptide 1..28

FT Protein /note="signal peptide"

FT Protein /note="mature protein"

PN W09827805-A1.

PD 02-JUL-1998.

PF 22-DEC-1997; 97WO-AU00874.

PR 20-DEC-1996; 96AU-0004275.

PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.

PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;

XX WPI: 1998-377279/32.

DR N-PSDB; VA2316.

XX Novel anti-microbial protein from e.g. Macadamia integrifolia -

PT useful for controlling microbial infestations of plants or mammals

XX Claim 1: Page 43-45; 96pp; English.

XX The sequence is that of an antimicrobial protein which can

Query Match 94.6%; Score 334; DB 19; Length 625;

Best Local Similarity 93.7%; Pred. No. 2.5e-30;
Matches 59; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 KRDPQOREYEDCRRRCEDQEPKQYQOCRCRCEQORHGSGDLINPORGSGRYEEGPE 60
DB 145 krdpqreyedcrrrcceqepkqyqocrrcreqrqhgsgdlinpqrgsryeegee 204

QY 61 KOS 63
DB 205 kgs 207

RESULT 3

W62828 W62828 standard; Protein; 666 AA.

AC W62828;

DT 27-OCT-1998 (first entry)

DE Macadamia integrifolia antimicrobial protein.

XX antimicrobial protein; infestation; control.

OS Macadamia integrifolia.

XX Key Location/Qualifiers

FT Peptide 1..28

FT Protein /note="signal peptide"

FT Protein /note="mature protein"

PN W09827805-A1.

PD 02-JUL-1998.

PF 22-DEC-1997; 97WO-AU00874.

PR 20-DEC-1996; 96AU-0004275.

PA (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.

PI Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;

XX WPI: 1998-377279/32.

DR N-PSDB; VA2310.

XX Novel anti-microbial protein from e.g. Macadamia integrifolia -

PT useful for controlling microbial infestations of plants or mammals

XX Claim 1: Page 34-36; 96pp; English.

XX The sequence is that of an antimicrobial protein which can

CC be used to control microbial infestations in plants and mammalian

XX animals.

XX Sequence 666 AA;

Query Match 94.1%; Score 332; DB 19; Length 666;

Best Local Similarity 92.1%; Pred. No. 4.5e-30;
Matches 58; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 KRDPQOREYEDCRRRCEDQEPKQYQOCRCRCEQORHGSGDLINPORGSGRYEEGPE 60
DB 186 krdpqreyedcrrrcceqepkqyqocrrcreqrqhgsgdlinpqrgsryeegee 245

QY 61 KOS 63
DB 246 kgs 248

RESULT 4

XX (UYN-) UNIVERSITY OF NORTH CAROLINA.
PA
XX French FS, Wilson EM, Joseph DR, Lubahn DB;
PI
XX WPI: 1989-324206/44.
XX
DR N-PSDB; N91772.
XX
XX DNA encoding androgen receptor protein - useful for transforming
PT eukaryotic hosts for protein expression and subsequent antibody prodn.
XX
XX
PS Disclosure; Fig. 4; 41pp; English.
XX
XX Androgen receptor protein (AR) is used to produce mono- or poly-clonal
CC antibodies. These are used for the detection and quantification of AR in
CC the presence of endogenous androgen, as androgen will not interfere with
CC binding. They may be used in assays to determine and quantify cellular
CC distribution of AR in tumour tissue, and are esp. useful for evaluating
CC prostate cancers to determine responsiveness to androgen withdrawal
CC therapy.
XX
XX Sequence 919 AA;

Query Match 20.7%; Score 73; DB 10; Length 919;
Best Local Similarity 32.8%; Pred. 1.6;
Matches 19; Conservative 15; Mismatches 22; Indels 2; Gaps 1.

OY 5 COREYEDCRRRCDEDFPNOVCQQRRCREORHGRGDLINPORGSGRYEEGEKKO 62
|||||::||::||::||::||::||::||::||::||::||::||::||::||::||
58 qqqqq-qqqqqqqqqqqqqqsprqrqqqqgdsppahrrcrrpllyl1dteeq 113

RESULT	10	
W14783		
ID	W14783	standard; Protein; 919 AA.
XX		
XX	W14783;	
XX		
DT	22-JUN-1997	(first entry)
XX		
DE	Androgen receptor.	
XX		
KM	Androgen receptor; acidic fibroblast growth factor; aFGF;	
XX	antisense; Benign prostatic hyperplasia; prostate cancer; therapy.	
OS	Homo sapiens.	
XX		
PN	W09711170-A1.	
XX		
PD	27-MAR-1997.	
XX		
PF	20-SEP-1996; 96WO-US15081.	
XX		
PR	20-SEP-1995; 95US-0004018.	
XX		
PA	(WOCR-) WORCESTER FOUND BIOMEDICAL RES.	
XX		
PI	Zamecnik PA;	
XX		
DR	WPI; 1997-202879/18.	
DR	N-PSDB; T63407.	
XX		
PT	Oligonucleotide(s) antisense to human androgen receptor and acidic	
PT	FGF genes - used to inhibit gene expression, for the treatment of	
PT	benign prostatic hyperplasia	
XX		
PS	Disclosure; Page 22-28; 51pp; English.	
XX		
CC	Human androgen receptor (W14783) binds testosterone and, acting	
CC	at the transcriptional level, regulates the growth of normal	
CC	prostatic cells. Antisense oligonucleotides (see also T63200,	
CC	T63404-05) based on an androgen receptor cDNA clone (see also	

CC T63407) can be used to prevent androgen receptor gene expression,
CC thereby inhibiting the growth or survival of prostatic cells for
CC the treatment of benign prostatic hyperplasia and prostate cancer.
XX
SQ Sequence 919 AA;

	Query Match	Similarity	32.8%	Pred.	Mismatches	22:	Indels	2:	Gaps	1:	
	Best local	Similarity	19:	Conservative	15:	No matches	22:	Indels	2:	Gaps	1:
OY	5	QOREYEDCRRRCCEGPEPNOAYOCORRCEQHOFHGRGGDLINPORGSGRYEEGEKQ	62								
Dd	58	qgqqgg-qgqqgqqgqqgqqqqe-sprpqrgqqggedspqahrrtpprlyldeeq	113								

```

QY 5 QQRREDCRRRCCEDEPRQYQRCRCFEQDRQNGNGSRLLPFRQGGSGSRVEEGEKK 62
      ||| : : : ||| : ||| : : ||| : ||| : ||| : ||| : ||| : ||| : ||| :
Db 58 qqqqqq--qqqqqqqqqqqqqqqlsptrrqqqqqqedgsppqahrtrpflgylvldeeq 113

```

DT	23-MAY-2000 (first entry)
XX	
DE	Human androgen receptor (AR) amino acid sequence

KM Androgen receptor; AR; androgen-independent activation; inhibitor;
KM cancer; benign prostatic hyperplasia; hirsutism; androgenic alopecia;
KM acne; breast cancer; Kennedy disease; prostate cancer.

OS Homo sapiens.

PN WO200001813-A2

PD 13-JAN-2000

PF 30-JUN-1999; 99WO-CA00604.

PR 30-JUN-1998; 98US-0091871.

PA (UYBR-) UNIV BRITISH COLUMBIA.

PI Sadar MD, Bruchovsky N, Gout PW, Snoek R, Mawji NR;

DR WPT; 2000-182113/16.

PT Novel non-androgen ligand binding peptides for inhibiting

screening compounds and for treatment of androgen-mediated diseases

XX
XX

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[illegible]

sequence. The invention relates to a fragment of the AR corresponding to

CC androgen-independent activation of the AR. The androgen receptor acts as

androgen-responsive genes. Interaction of the AR with the protein kinase

independent region. The AR fragment and peptides derived from it can be

androgen receptor, as activation domains, and as a tool for screening fo

peptides, when used in combination with androgen deprivation, effectively

CC cancer, benign prostatic hyperplasia, hirsutism, androgenic alopecia,

peptides and nucleic acids encoding them, are especially used for the

CC patients deprived of androgen.

Sequence 919 AA;

